PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032
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UTILITY PATENT APPLICATION TRANSMITTAL

Please type a plus sign (+) inside this box

Attorney Docket No. Bhowmik 12-146-1/075903-033

First Inventor Bhowmik, Siddhartha

Barrier Layer for Interconnect Structures of a Semiconductor Wafer and Method for Depositing the Express Mail Label No. ET 149346 US

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLIC	ATION ELEMENTS	ASSISTANT Commissioner for Patents			
See MPEP chapter 600 co	ncerning utility patent application contents.	ADDRESS TO: Box Patent Application Washington, DC 20231			
Fee Transmittal	Form (e.g., PTO/SB/17)	7. CD-ROM or CD-R in duplicate, large table or			
Applicant claims	a duplicate for fee processing) small entity status.	Computer Program (Appendix)			
See 37 CFR 1.2	7.	8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)			
3. Specification (preferred arrangement)		a. Computer Readable Form (CRF)			
- Descriptive titl	le of the invention nce to Related Applications	b. Specification Sequence Listing on:			
- Statement Re	garding Fed sponsored R & D	i. CD-ROM or CD-R (2 copies); or			
- Reference to s	sequence listing, a table, program listing appendix	ii. □ paper □			
- Background o	f the Invention	c. Statements verifying identity of above copies			
- Brief Summan - Brief Descripti	y of the Invention ion of the Drawings (<i>if filed</i>)	ACCOMPANYING APPLICATION PARTS			
- Detailed Desc	ription	9. Assignment Papers (cover sheet & document(s))			
- Claim(s) - Abstract of the	e Disclosure	37 CFR 3.73(b) Statement Power of			
		(when there is an assignee) Attorney			
4. L. Diaming(3) (00 t	U.S.C. 113) [Total Sheets 0]	11. English Translation Document (if applicable) 12 Information Disclosure Copies of IDS			
5. Oath or Declaration	[Total Pages 4]	12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations			
a. Newly exec	cuted (original or copy) a prior application (37 CFR 1.63 (d))	13. Preliminary Amendment			
b. (for continua	ation/divisional with Box 18 completed)	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)			
i. <u>DELE</u>	TION OF INVENTOR(S)	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)			
Signed st named in	atement attached deleting inventor(s) the prior application, see 37 CFR	16. Nonpublication Request under 35 U.S.C. 122			
) and 1.33(b).	16. (b)(2)(B)(i). Applicant must attach form PTO/SB/35			
6. Application Data	6. Application Data Sheet. See 37 CFR 1.76 or its equivalent.				
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other: Certificate of Mailing 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 27 OFB 1.70.					
or in an Application Data Sh	eet under 37 CFR 1.76:				
Continuation	Divisional Continuation-in-part (CIP)	of prior application No.:/			
Prior application information:	Examiner	Group Art Unit			
		orior application, from which an oath or declaration is supplied under			
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.					
19 19 19 19 19 19 19 19 19 19 19 19 19 1					
Customer Number or Bar C	ode Label (Insert Custoring G.O.) Quici bar 50	or Correspondence address below			
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Country	USA Teleph	none (407) 926-7706 Fax 407-926-7720			
Name (Print/Type)	Robert L. Wolter, Esquire	Registration No. (Attorney/Agent) 36,972			
Signature	low Iwolf				
and a U. O. A.		Date 9/28 /2001			

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$) 750.00

Complete if Known				
Application Number	Not Assigned			
Filing Date	Simultaneously Herewith			
First Named Inventor	Bhowmik, Siddhartha			
Examiner Name	Not Assigned			
Group Art Unit	Not Assigned			
Attorney Docket No.	Bhowmik 12-146-1/075903.033			

	METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)					
	The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:	3. ADDITIONAL FEES					
	Deposit	Large Entity Small Entity Fee Fee Fee Fee Fee Fee Fee Code (\$) Code (\$) Fee Description F	·				
	Account Number 501735	105 (0) Code (\$)	ee Paid				
	Deposit Account	105 130 205 65 Surcharge - late filing fee or oath					
	Account Agere Systems, Inc.	127 50 227 25 Surcharge - late provisional filing fee or cover sheet					
	Charge Any Additional Fee Required	139 130 139 130 Non-English specification					
	Under 37 CFR 1.16 and 1.17 Applicant claims small entity status.	147 2,520 147 2,520 For filing a request for ex parte reexamination					
	See 37 CFR 1.27	112 920* 112 920* Requesting publication of SIR prior to					
	2. Payment Enclosed:	Examiner action					
	Check Credit card Money Other	113 1,840* 113 1,840* Requesting publication of SIR after Examiner action					
	FEE CALCULATION	115 110 215 55 Extension for reply within first month					
D	1. BASIC FILING FEE	116 380 216 190 Extension for reply within second month					
	Large Entity Small Entity	117 870 217 435 Extension for reply within third month					
	Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	118 1,360 218 680 Extension for reply within fourth month					
### ###	101 690 201 345 Utility filing fee 710.00	128 1,850 228 925 Extension for reply within fifth month					
1 G. J.	106 310 206 155 Design filing fee	119 300 219 150 Notice of Appeal					
200	107 480 207 240 Plant filing fee	120 300 220 150 Filing a brief in support of an appeal					
i.	108 690 208 345 Reissue filing fee	121 260 221 130 Request for oral hearing					
2112	114 150 214 75 Provisional filing fee	138 1,510 138 1,510 Petition to institute a public use proceeding					
	SUBTOTAL (1) (\$) 710.00	140 110 240 55 Petition to revive - unavoidable					
	2. EXTRA CLAIM FEES	141 1,210 241 605 Petition to revive - unintentional 142 1,210 242 605 Utility issue fee (or reissue)					
	Fee from	142 1,210 242 605 Utility issue fee (or reissue) 143 430 243 215 Design issue fee					
	Total Claims 16 $20^{**} = 0.00$ $\times 0$ $\times 0$ $\times 0$ $\times 0$	144 580 244 290 Plant issue fee					
=å	Independent Claims $3 - 3^{**} = 0 \times 0 = 0.00$	122 130 122 130 Petitions to the Commissioner					
ı	Multiple Dependent	123 50 123 50 Petitions related to provisional applications					
ı	**or number previously paid, if greater; For Reissues, see below	126 240 126 240					
ı	Large Entity Small Entity	Submission of information Disclosure Stmt	[
	Fee Fee Fee Fee Description Code (\$) Code (\$)	Recording each patent assignment per	0.00				
	103 18 203 9 Claims in excess of 20	146 690 246 345 Filing a submission after final rejection	0.00				
	102 78 202 39 Independent claims in excess of 3	(37 CFR § 1.129(a))					
ı	104 260 204 130 Multiple dependent claim, if not paid	For each additional invention to be examined (37 CFR § 1.129(b))					
	109 78 209 39 ** Reissue independent claims over original patent	179 690 279 345 Request for Continued Examination (RCE)					
	110 18 210 9 ** Reissue claims in excess of 20	169 900 169 900 Request for expedited examination					
ı	and over original patent	of a design application Other fee (specify)					
	SUBTOTAL (2) (\$) 0.00						
L	SUBTOTAL (2) (\$) 0.00	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00					
	SUBMITTED BY						
[7	Name (Print/Type) Robert L. Wolter, Esquire Registration No. (Attorney/Agent) (Attorney/Agent) Registration No. (Attorney/Agent) (Attorney/Agent) Registration No. (Attorney/Agent) (Attorney/Agent)						
5	Signature						
	Signature Date 9/28/2001						

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VIA EXPRESS MAIL ET 14993406 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of					
Applicant:		gere Systems, Inc.			
Application No.:		ubmitted Herewith			
Filing Date:		ubmitted Herewith)			
For: A BARRIER LAYER FOR INTERCONNECT STRUCTURES OF A SEMICONDUCTOR WAFER AND METHOD FOR DEPOSITING THE BARRIER LAYER					

Commissioner of Patents Box PATENT APPLICATION Washington, D.C. 20231

Sir:

EXPRESS MAIL # ET 14993406 US

Date of Deposit: September 28, 2001

I hereby certify that the attached Utility Patent Application was deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner of Patents, Box PATENT APPLICATION, Washington, D.C. 20231.

Julullolyn C. Ramsey